



(1) Publication number:

0 474 235 A3

## **EUROPEAN PATENT APPLICATION**

21) Application number: 91115024.1

(51) Int. Cl.5: G01R 33/035

2 Date of filing: 05.09.91

Priority: 07.09.90 JP 237958/90

Date of publication of application:11.03.92 Bulletin 92/11

Designated Contracting States:
DE FR GB

Bate of deferred publication of the search report: 07.04.93 Bulletin 93/14

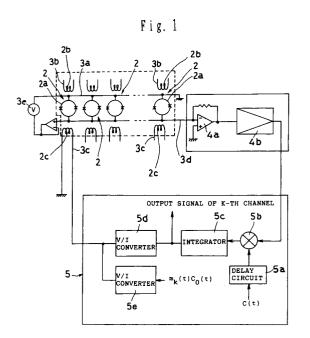
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## (54) Magnetic flux locking method and apparatus.

superconducting quantum interference devices (2) which are interconnected in parallel. Output currents from the superconducting quantum interference devices (2) are supplied in added condition. Maximal-sequence codes are modulated by a modulation current corresponding to each device (2), and the modulated maximal-sequence codes are supplied to the modulation coil (2c) of each corresponding superconducting quantum interference device (2), The added output current is demodulated for each device (2) by a maximal-sequence code which is phase shifted by the same quantity as the maximal-sequence code for modulation for each device (2).



## **EUROPEAN SEARCH REPORT**

EP 91 11 5024

Category	Citation of document with i	ndication, where appropriate, ssages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
Ρ,Υ	EP-A-0 428 046 (DAI		1,3-5,7,	G01R33/035
	* abstract; claims	1-9 *		
Y	system'	ch 1989, TOKYO JP ltichannel DC SQUID 2, line 5 - line 28;	1,3-5,7,	
A	WO-A-8 103 710 (S.H * abstract *	.E CORPORATION)	2,6	
E	GB-A-2 247 958 (FOR	SCHUNGSZENTRUM JÜLIC	H) 1	
<b>A</b>	JOURNAL OF PHYSICS INSTRUMENTS vol. 17, no. 6, Jun pages 504 - 512 J.O.LEKKALA EA. 'Mu vectomagnetometer f research'	e 1984, BRISTOL GB		TECHNICAL FIELDS SEARCHED (Int. Cl.5)  G01R H04J
A	US-A-3 667 033 (C.R * abstract *	.DAVIS)	1	
	The present search report has b	een drawn up for all claims		
		Date of completion of the sear 10 FEBRUARY 199		Exeminer HAASBROEK J.N.
X: par Y: par doc A: tec O: noi	CATEGORY OF CITED DOCUME ticularly relevant if taken alone ticularly relevant if combined with an nument of the same category hnological background n-written disclosure ermediate document	NTS T: theory or E: earlier par after the form the following the followi	principle underlying the tent document, but publifying date cited in the application cited for other reasons of the same patent famili	ished on, or

EPO FORM 1503 03.82 (P0401)